

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-26 (Cancelled)

27. (New) A display screen comprising, along the direction of propagation of projected light:

- a diffuser (8) having an elongated radiation diagram with a horizontal major axis;

- a support (10) with a light entry surface (16) having cylindrical focusing elements (18) substantially parallel to the major axis of the radiation diagram of the diffuser, the support further having an opaque layer (20) with apertures (22) adapted to allow the light focused by said focusing elements to pass.

28. (New) The display screen of claim 27, wherein the diffuser has a radiation diagram with a half-luminance angle less than $\pm 10\%$, in the vertical direction.

29. (New) The display screen of claim 27, wherein the diffuser has a radiation diagram the elongation of which is greater than 6.

30. (New) The display screen of claim 27, wherein the apertures in the opaque layer make up at the most 30 % of the total surface.

31. (New) The display screen of claim 27, wherein the diffuser is a surface diffuser having an active surface (14).

32. (New) The display screen of claim 31, wherein the active surface (14) of the diffuser (8) is directed towards said support.

33. (New) The display screen of claim 31, wherein the diffuser is a holographic diffuser with an active surface opposite the support.

34. (New) The display screen of claim 27, further comprising a supplementary diffuser.

35. (New) The display screen of claim 34, wherein the supplementary diffuser is conical.

36. (New) The display screen of claim 34, wherein the supplementary diffuser has a maximum scattering angle less than the vertical scattering angle of said elongated radiation diagram diffuser.

37. (New) The display screen of claim 34, wherein the supplementary diffuser is a surface diffuser formed on a surface of said elongated radiation diagram diffuser (8).

38. (New) The display screen of claim 34, wherein the supplementary diffuser is a surface diffuser formed adjacent to said opaque layer (20).

39. (New) The display screen of claim 27, further comprising a substrate (24) disposed above said opaque layer (20).

40. (New) The display screen of claim 27, further comprising a Fresnel lens with its active surface directed towards said elongated radiation diagram diffuser (8).

41. (New) The display screen of claim 40, further comprising a vertical lenticular element at the entry to said Fresnel lens (6).

42. (New) The display screen of claim 41, wherein the supplementary diffuser is a surface diffuser formed on the entry surface (4) of said Fresnel lens (6).

43. (New) The screen of claim 40, wherein an optical transmission is greater than or equal to 0.70.

44. (New) The screen of claim 40, wherein a half-luminance emission angle in a horizontal plane is greater than $\pm 48^\circ$ and wherein an extinction angle in the horizontal plane is greater than ± 72 degrees.

45. (New) The display screen of claim 40, wherein a resolution on a horizontal axis is greater than 10 line pairs per mm.

46. (New) The display screen of claim 39, further comprising a Fresnel lens with its active surface directed towards said elongated radiation diagram diffuser (8) and wherein the Fresnel lens, the diffuser, the support and the substrate are assembled by peripheral bonding.

47. (New) The display screen of claim 46, further comprising

- a first frame (72) supporting the diffuser (8);
- a second frame (78) supporting the Fresnel lens;
- an outer frame (82), in which the substrate (24), the first frame (72) and the second frame (78) are mounted.

48. (New) The display screen of claim 47, wherein the outer frame (82) has a reference plane (70) and wherein a base surface (S1) of the substrate (24) and a base surface (S2) of the first frame abut against said reference plane.

49. (New) The display screen of claim 39, further comprising on at least one non-scattering surface, an anti-glare layer, such as a moth-eye type anti-glare layer.

50. (New) The display screen of claim 39, wherein the support, at the side of the opaque layer, is bonded onto the substrate.

51. (New) A rear projector unit comprising

- a projector (2) and

- a display screen comprising, along the direction of propagation of projected light :

- a diffuser (8) having an elongated radiation diagram with a horizontal major axis;

- a support (10) with a light entry surface (16) having cylindrical focusing elements (18) substantially parallel to the major axis of the radiation diagram of the diffuser, the support further having an opaque layer (20) with apertures (22) adapted to allow the light focused by said focusing elements to pass; and

- a Fresnel lens with its active surface directed towards said elongated radiation diagram diffuser (8);

wherein the Fresnel lens is adapted to collimate the light projected by the projector (2) onto the display screen.

52. (New) The rear projector unit of claim 51, wherein the unit has a contrast higher than 500 under ambient illumination of 100 lux, for a luminous flux from said projector of 500 lumens.